

MULTIPLE ANTENNA ABLATION APPARATUS AND METHOD
WITH MULTIPLE SENSOR FEEDBACK

ABSTRACT

An ablation apparatus includes an ablation energy source producing an
5 electromagnetic energy output. A monopolar multiple antenna device is
included and has a primary antenna with a longitudinal axis, a central lumen and
a distal end, and a secondary antenna with a distal end. The secondary antenna
is deployed from the primary antenna central lumen in a lateral direction relative
to the longitudinal axis. The primary antenna and secondary antennas are each
10 electromagnetically coupled to the electromagnetic energy source.